

CLAIMS

1. An inkjet printer which comprises
 - a support structure;
 - 5 an ink reservoir arrangement mounted on the support structure;
 - an array of printhead chips mounted on the ink reservoir arrangement to receive ink from the ink reservoir arrangement;
 - an ink transfer roller that is rotatably mounted on the support structure operatively with respect to the array of printhead chips so that the printhead chips can carry out a printing operation on the transfer roller;
 - 10 a retaining mechanism that is mounted on the support structure to bear against the ink transfer roller, a sheet of print medium being receivable between the retaining mechanism and the transfer roller so that ink printed on the transfer roller is transferred to the sheet of print medium; and
 - a feed mechanism mounted on the support structure for feeding the sheet of print medium between the ink transfer roller and the retaining mechanism.
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2. An inkjet printer as claimed in claim 1, which includes
 - a housing that defines a receiving formation;
 - a chassis that is positioned in the housing; and
 - 20 a media tray assembly that is received in the receiving formation and is displaceably engageable with the chassis to permit the media tray assembly to be received in, and withdrawn from, the receiving formation, the media tray assembly and the housing defining a print medium feed path, the media tray assembly having a media tray in which a stack of print medium sheets can be stored, the feed mechanism being positioned on the media tray to feed the sheets from the tray, the support structure being defined by the media tray at a downstream end of the media tray.
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3. An inkjet printer as claimed in claim 2, in which the ink reservoir arrangement defines a number of ink reservoirs in which respective inks can be stored.
- 30 4. An inkjet printer as claimed in claim 3, which includes an ink connector arrangement that is in fluid communication with the ink reservoirs, the ink connector arrangement being configured to permit an ink cartridge to be connected to the media tray to supply the reservoirs with ink.
5. An inkjet printer as claimed in claim 2, in which a power and data supply arrangement for the printhead chip array is positioned on the housing and the housing and media tray assembly include complementary releasable electrical connectors that engage each other when the media tray assembly is received in the receiving formation and disengage each other when the media tray assembly is withdrawn
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from the receiving formation, the electrical connector of the media tray assembly being connected to the array of printhead chips so that power and data can be supplied to the printhead chips.

- 5 6. An inkjet printer as claimed in claim 5 in which the electrical connectors are in the form of complementary contact moldings.
7. An inkjet printer as claimed in claim 6, in which a flexible PCB is connected between the contact molding on the media tray assembly and the array of printhead chips.
- 10 8. An inkjet printer which comprises
 a support structure;
 a pair of opposed ink reservoir arrangements mounted on the support structure;
 an array of printhead chips mounted on each ink reservoir arrangement to receive ink from the ink
 reservoir arrangement;
15 a pair of ink transfer rollers that is rotatably mounted on the support structure, each ink transfer roller being positioned adjacent one respective array of printhead chips so that the printhead chips can carry out a printing operation on the transfer rollers, the transfer rollers being positioned to bear against each other, a sheet of print medium being receivable between the transfer rollers so that ink printed on the transfer rollers is transferred to both sides of the sheet of print medium; and
20 a feed mechanism for feeding the sheet of print medium between the ink transfer rollers.